Recombinant SCRT1 protein (His tag)

Catalog Number	541171
Synonyms	Scratch homolog 1 zinc finger protein; SCRT; Scratch 1; hScrt
Species	Human
Expression System	E. coli
Accession	Q9BWW7
Molecular Weight	Predictes a molecular mass of 19.23 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	189-348
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 189-348 aa (Q9BWW7) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Transcriptional Repressor Scratch 1 (SCRT1) Fragment (aa 189-348) – a stable and soluble protein unit designed for structural and biochemical studies, offering insights into neuronal differentiation mechanisms. Transcriptional repressor Scratch 1 (SCRT1) is a human protein that functions as a transcriptional repressor by binding to the E-box motif CAGGTG. It modulates the activity of basic helix-loop-helix (bHLH) transcription factors, which are critical for neuronal differentiation processes. The protein is localized to the nucleus, where it exerts its regulatory effects. This recombinant fragment (amino acids 189-348) was selected for its predicted stability and solubility, enabling detailed analysis of SCRT1's functional domains.